

Title (en)

Process for producing trifluoroacetic acid and trifluoroacetyl chloride.

Title (de)

Verfahren zur Herstellung von Trifluoressigsäure und Trifluoracetylchlorid.

Title (fr)

Procédé de production d'acide trifluoroacétique et de chlorure de trifluoroacétyle.

Publication

**EP 0163975 A1 19851211 (EN)**

Application

**EP 85105653 A 19850508**

Priority

- JP 9553784 A 19840515
- JP 9553884 A 19840515
- JP 9553984 A 19840515

Abstract (en)

[origin: US5041647A] A process for producing trifluoroacetic acid and trifluoroacetyl chloride from 1,1-dichloro-2,2,2-trifluoroethane, oxygen and water as starting materials, characterized in that the starting materials are reacted in a vapor phase in a reactor of perfect mixing type to avoid local heating, under a condition not to liquefy the starting materials and reaction products, while continuously supplying the starting materials and continuously withdrawing the reaction products, so as to obtain a reaction mixture comprising trifluoroacetyl chloride as the main product and trifluoroacetic acid as an accompanying product.

IPC 1-7

**C07C 51/21**; **C07C 53/18**; **C07C 51/58**; **C07C 53/48**

IPC 8 full level

**C07C 51/21** (2006.01); **C07C 51/58** (2006.01)

CPC (source: EP US)

**C07C 51/21** (2013.01 - EP US); **C07C 51/58** (2013.01 - EP US)

Citation (search report)

- [A] US 3151051 A 19640929 - MILTON BRAID, et al
- [XD] CHEMICAL ABSTRACTS, vol. 100, no. 11, March 12, 1984, page 507, abstract no. 85270u, Columbus, Ohio, US; & JP - A - 58 159 440 (ASAHI GLAS CO., LTD.) 21-09-1983

Cited by

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